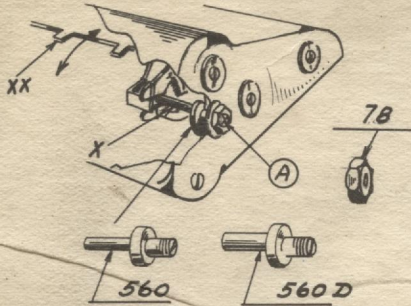


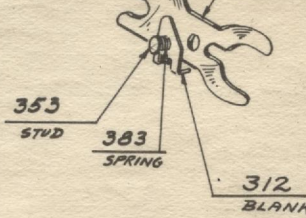
MACHINE SERVICE BULLETIN No. 50 - ILLUSTRATING CHANGES IN DESIGN AND NEW FEATURES INCORPORATED IN ALL 'K' MODEL MACHINES TO DATE

ADJUSTMENT FOR TRIP ROD SHAFT ALL MODELS ①



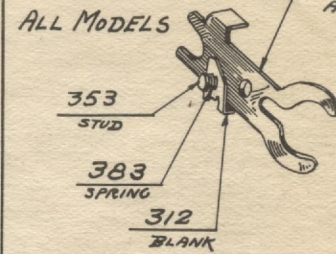
X IS AN ECCENTRIC STUD - ADJUSTING IT WITH SLOT (A) WILL THROW POINTS XX FORWARD OR BACK TO SUIT FOR CLEAR OUT PINS.

SPRING TENSION FOR CHECK PAWL 2 & 2A MODELS 3-10 1/4 ASSEMBLY ②



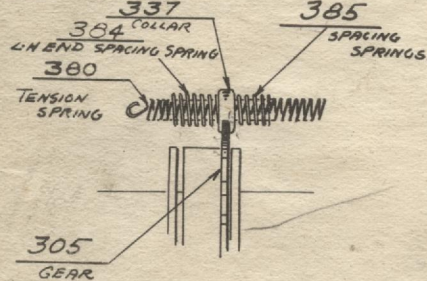
THESE PARTS ACT AS A TENSION AGAINST PART 313 - SUPERSEDES PART 383

SPRING TENSION FOR CHECK PAWL AND CHECK SPRING SUPPORT ARM. 3-10 ASSEMBLY ③



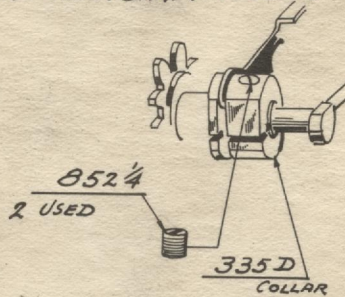
THESE PARTS ACT AS A TENSION AGAINST PART 313 - SUPERSEDES PART 383

NEW DESIGN OF CHECK SPRING AND ROLLERS ④



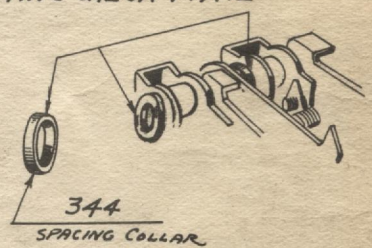
ALL MODELS

NEW DESIGN OF R.H. INT GEAR SHAFT COLLAR ⑤



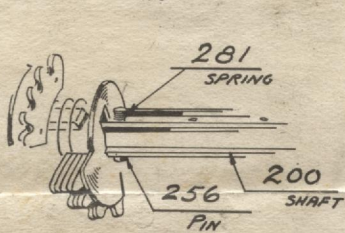
ALL MODELS

SPACING COLLAR FOR CARRYING CHECK PAWL ⑥



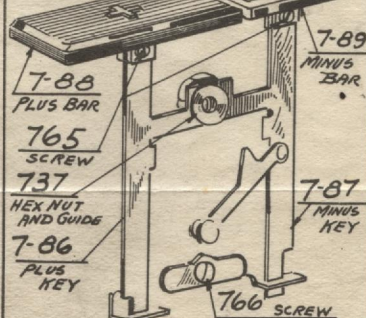
ALL MODELS

NEW SPACING PIN AND SPRING FOR SELECTING GEAR SHAFT ⑦



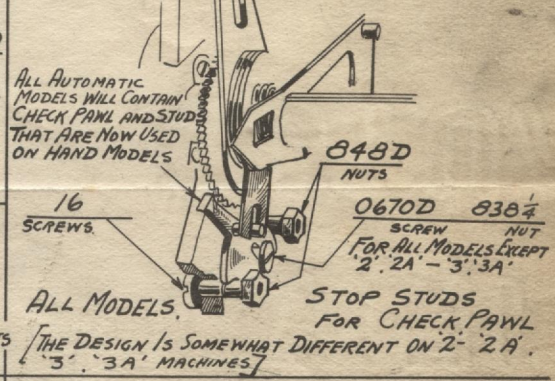
ALL MODELS

PLUS & MINUS BARS ⑧



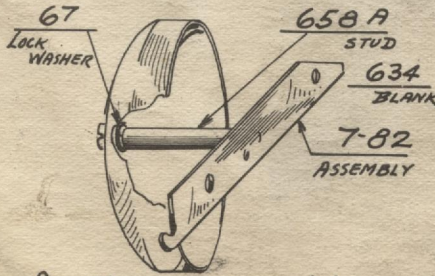
ADD AND SUBTRACT KEYS AND BRACKETS AUTOMATIC MODELS

CHECK PAWL ⑨



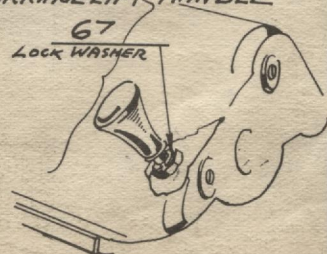
ALL MODELS. STOP STUDS FOR CHECK PAWL [THE DESIGN IS SOMEWHAT DIFFERENT ON 2-2A, 3-3A MACHINES]

BELL STUD PARTS ⑩



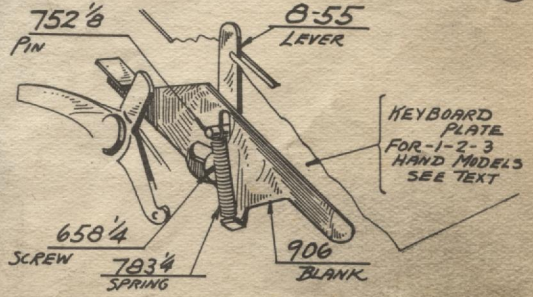
ALL MODELS - EXCEPT 'O' HAND MACHINES.

LOCK WASHER UNDER CARRIAGE LIFT HANDLE ⑪



ALL MODELS

DIVISION STOP RELEASE MECHANISM. ⑫

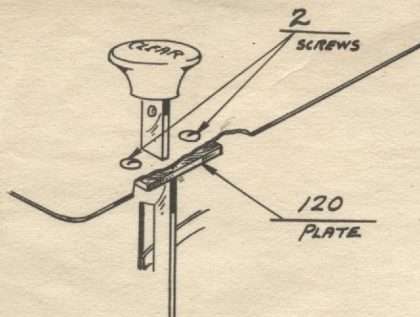


FOR 1-2-3 HAND MODELS.

MACHINE SERVICE BULLETIN No. 50 ILLUSTRATING CHANGES IN DESIGN AND NEW FEATURES INCORPORATED IN ALL K MODEL MACHINES TO DATE

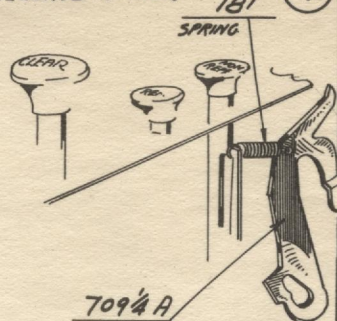
PLATE 2

SUPPORT FOR CLEAR KEY



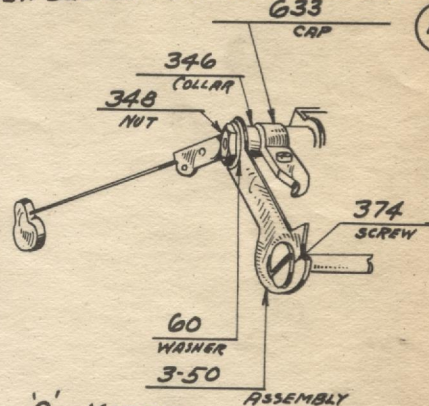
ALL MODELS

SPRING FOR NON REPEAT RELEASE KICKER



AUTOMATIC MODELS

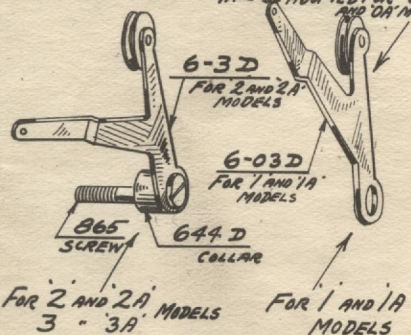
NEW DESIGN OF PARTS FOR BELL TRIGGER



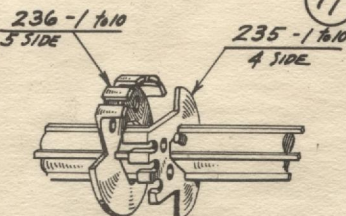
'O' MODELS

NEW DESIGN OF MACHINE LOCATOR ARM AND ROLLER

AFTER JULY 1ST 1927 THIS PART WILL BE ADAPTED FOR 'O' AND 'OA' MODELS

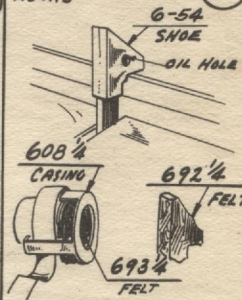


NEW DESIGN OF SELECTING GEARS



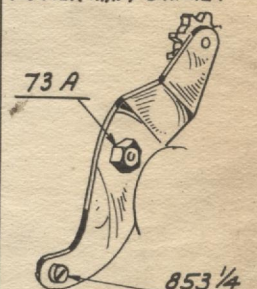
ALL MODELS

OIL CLIP FOR CARRIAGE LOCKS



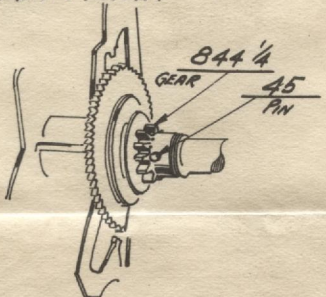
OILER FOR HINGE ROD ALL MODELS

NEW NUT FOR R.H. (COUNTER SHAFT BARNET)



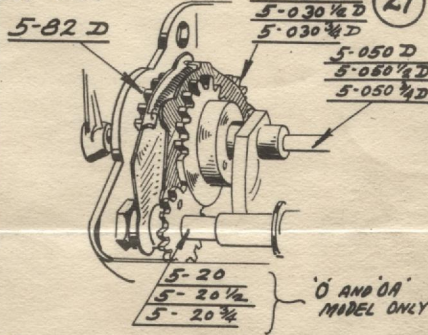
FOR 2 AND 2A MODELS 3 3A

NEW DESIGN FOR CARRYING SHAFT PINION.



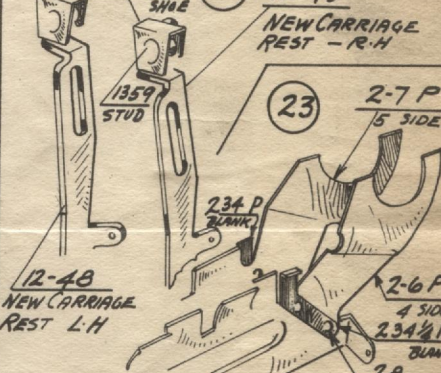
FOR 2 AND 2A MODELS 3 3A

NEW DESIGN OF CARRIAGE CLEAR OUT UNIT



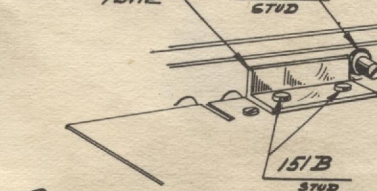
O AND OA AND 1 AND 1A AND 1AA MODELS

NEW CARRIAGE REST - R.H.



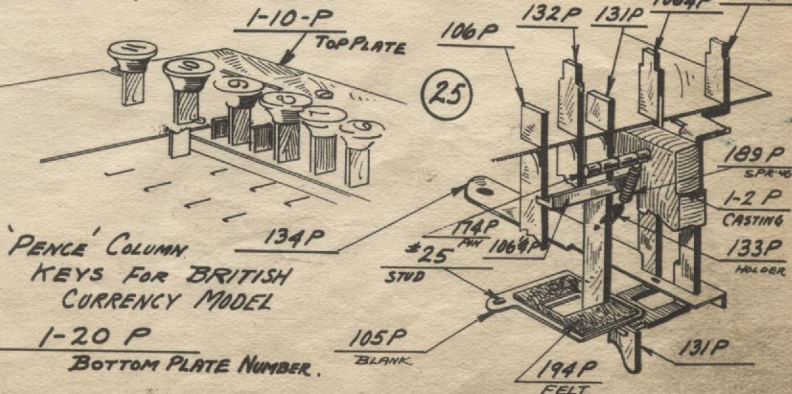
12-48 NEW CARRIAGE REST L.H.

CARRIAGE STOP BRIDGE



FOR MODELS 'P'

BRITISH CURRENCY MACHINES ONLY



'PENCE' COLUMN KEYS FOR BRITISH CURRENCY MODEL

1-20 P BOTTOM PLATE NUMBER.

PARTS AND ASSEMBLY LIST
K MODEL CHANGES IN DESIGN
(MACHINE SERVICE BULLETIN NO. 50)

Part No.	Name	Quantity			Shown on		List
		Per Mch.	12	16	20	Pl. Fig. No. No.	
67	#8 Lock Washer 1/16 x 1/32 Section	2	2	2	1	10-11	.03
73-A	8/36 x 3/32 Nut for R. H. Counter						
	Shaft Bracket for 2,2A,3,3A Models	1	1	1	2	19	.03
78	10/30 x .110 Nut for K560 & K560D	1	1	1	1	1	.05
120	Reinforcement Plate for Keyboard						
	Clearing Key Slot	1	1	1	2	13	.10
235#1-10	Four Teeth Selecting Gear	6	8	10	2	17	.50
236#1-10	Five Teeth Selecting Gear	6	8	10	2	17	.50
256 n.s.	Spacing Pin for Selecting Gear Shaft	7	9	11	1	7	.05
281	Lock Spring for #256	7	9	11	1	7	.03
312	Friction Blank for Carrying Check						
	Pawl	6	8	10	1	3	.10
335-D	R. H. Intermediate Gear Collar	1	1	1	1	5	.35
337 n.s.	Roll for Check Spring	7	9	11	1	4	.05
344	Spacing Collar between Carrying Wedge						
	and Carrying Check Pawl	5	7	9	1	6	.05
346 n.s.	Collar for Bell Trigger	1	1	1	2	15	.05
348	Nut for #301	1	1	1	2	15	.03
353 n.s.	Stud for Friction Spring for Carrying						
	Check Pawl	6	8	10	1	2-3	.03
374	Screw for Extra Carry Gear and Bell						
	Trigger	1	1	1	2	15	.05
380 n.s.	Check Spring (16 Place)		1		1	4	.20
380 $\frac{1}{2}$ n.s.	Check Spring (20 Place)			1	1	4	.25
380 $\frac{3}{4}$ n.s.	Check Spring (12 Place)	1			1	4	.15
383 n.s.	Friction Spring for Carrying Check						
	Pawl	6	8	10	1	2-3	.03
384 n.s.	L. H. End Spacing Spring for Check						
	Rollers	1	1	1	1	4	.05
385	Spacing Spring for Check Rollers	13	17	21	1	4	.05
560 n.s.	Eccentric Stud for Locating Trip Rod						
	Positioning Finger	1	1	1	1	1	.20
560-Dn.s.	Eccentric Stud for Locating Trip Rod						
	Positioning Finger, 2,2A,3,3A Models	1	1	1	1	1	.20
608 $\frac{1}{4}$	Clip for Carriage Hinge Rod Oiler	1	1	1	2	18	.08
692 $\frac{1}{4}$	Felt Oiling Washer for Carriage Lock						
	Latch	2	2	2	2	18	.03
693 $\frac{1}{4}$	Felt Carriage Hinge Rod Oiler	1	1	1	2	18	.05
737	Guide Nut for Add and Subtract						
	Keystems	1	1	1	1	8	.10
765	Screw for Add and Subtract Keystems	2	2	2	1	8	.03
844 $\frac{1}{4}$	Gear on Carrying Shaft to drive						
	Reverse Mechanism	1	1	1	2	20	.25
848-Dn.s.	Stop Nut for Check Pawl	2	2	2	1	9	.10
852 $\frac{1}{4}$	Set Screw for 335D Collar	2	2	2	1	5	.05
853 $\frac{1}{4}$	Screw for KD Counter Shaft Bracket	1	1	1	2	19	.05
906	Division Stop Release Arm for 1 & 2						
	Series Hand machines	1	1	1	1	12	.15
1340	Shoe for Carriage Rest	2	2	2	2	22	.30
1359	Stud for Carriage Rest Shoe	2	2	2	2	22	.03

Mr. I. M. Johnston
1010, 1010T

PARTS AND ASSEMBLY LIST K MODEL CHANGES IN DESIGN

Page 2

Assem. No.	Name	Quantity			Shown on		
		Per Mch.	12	16	20	Pl. No.	Fig. No.
3-10 n.s.	Spring Tension for Check Pawl and Check Spring Support Arm	6	8	10	1	3	.15
3-10 $\frac{1}{4}$ n.s.	Spring Tension for Check Pawl and Check Spring Support Arm, 2,2A,3,3A Models	5	7	9	1	2	.20
3-50 n.s.	Bell Trigger and Hammer	1	1	1	2	15	.55
6-54	Oil Clip for Carriage Lock	2	2	2	2	18	.10
7-82 n.s.	Spring Hook Blank for L.H. Carriage Latch Spring and Stud	1	1	1	1	10	.20
7-86 n.s.	Add Key and Toggle Link	1	1	1	1	8	.30
7-87 n.s.	Subtract Key and Toggle Link	1	1	1	1	8	.45
7-88	Plus Key Bar	1	1	1	1	8	.70
7-89	Minus Key Bar	1	1	1	1	8	.40
8-55	Division Stop Release Lever	1	1	1	1	12	.30

FOR BRITISH CURRENCY MACHINES ONLY

Part No.

105-P	Washer for #9, 10, 11 Pence Keystems	3	3	3	2	25		.10
106-P	#10 Keystem for Pence Machine	1	1	1	2	25		.10
106 $\frac{1}{4}$ -P	Push Keystem for #10 Pence Key	1	1	1	2	25		.10
131-P	#11 Keystem for Pence Machine	1	1	1	2	25		.10
131 $\frac{1}{4}$ -P	Push Keystem for #11 Pence Key	1	1	1	2	25		.10
132-P	#9 Keystem for Pence Machine	1	1	1	2	25		.10
133-P	Spring Clip on #9, 10, 11 Pence Keystems	3	3	3	2	25		.05
134-P	Guide for #10 and #11 Pence Keys	1	1	1	2	25		.15
151-B	Rivet for Carriage Stop Bridge	2	2	2	2	24		.08
174-P	Spring Stud for #189-P	1	1	1	2	25		.10
189-P	Restoring Spring for #9, 10, 11 Pence Keys	3	3	3	2	25		.05
194-P	Felt Pad for #9, 10, 11 Pence Keys	1	1	1	2	25		.05
234-P	Lug on L. H. Selecting Arm for #11 Pence Keystem	1	1	1	2	23		.05
234 $\frac{1}{4}$ -P	Lug on R. H. Selecting Arm for #11 Pence Keystem	1	1	1	2	23		.05

Assem. No.

1-2-P	Rear Keyboard Casting (16 Place)	1			2	25		3.25
1-2 $\frac{1}{2}$ -P	Rear Keyboard Casting (20 Place)			1	2	25		3.50
1-2 $\frac{3}{4}$ -P	Rear Keyboard Casting (12 Place)	1			2	25		2.90
1-10-P	Top Keyboard Plate and Riveted Parts (16 Place)	1			2	24		2.75
1-10 $\frac{1}{2}$ -P	" " " " (20 Place) "			1	2	24		3.00
1-10 $\frac{3}{4}$ -P	" " " " (12 Place) "	1			2	24		2.50
1-20-P	Bottom Keyboard Plate and Riveted Parts (16 Place)	1						2.40
1-20 $\frac{1}{2}$ -P	" " " " (20 Place) "			1				2.70
1-20 $\frac{3}{4}$ -P	" " " " (12 Place) "	1						2.10
2-6-P	R. H. #1 Selecting Arm-Pence Machine	1	1	1	2	23		.40
2-7-P	L. H. #1 Selecting Arm-Pence Machine	1	1	1	2	23		.45

Mr. I. R. Johnston,
Toledo, Ohio.

Assess. No.	Name	Quantity	Per Mo.	Price
2-10 n.s.	Spring Tension for Check Pawl and Check	1	1	1.10
2-10 n.s.	Spring Support Arm	1	1	1.10
2-10 n.s.	Spring Tension for Check Pawl and Check	1	1	1.10
2-10 n.s.	Spring Support Arm, S. 2A, S. 3A Models	1	1	1.10
2-10 n.s.	Bell Trigger and Hammer	1	1	1.10
2-10 n.s.	Oil Clip for Carriage Lock	1	1	1.10
2-10 n.s.	Spring Hook Blank for L.H. Carriage	1	1	1.10
2-10 n.s.	Latch Spring and Stud	1	1	1.10
2-10 n.s.	Add Key and Toggle Link	1	1	1.10
2-10 n.s.	Subtract Key and Toggle Link	1	1	1.10
2-10 n.s.	Minut Key and	1	1	1.10
2-10 n.s.	Minut Stop Release Lever	1	1	1.10

FOR BRITISH CURRENCY MACHINES ONLY

Part No.	Name	Quantity	Per Mo.	Price
100-4	Washer for 49, 10, 11 Pence Keyframes	1	1	1.10
100-5	410 Keyframe for Pence Machine	1	1	1.10
100-6	Punch Keyframe for 410 Pence Key	1	1	1.10
101-1	411 Keyframe for Pence Machine	1	1	1.10
101-2	Punch Keyframe for 411 Pence Key	1	1	1.10
101-3	412 Keyframe for Pence Machine	1	1	1.10
101-4	Spring Clip on 49, 10, 11 Pence Keyframes	1	1	1.10
101-5	Guide for 410 and 411 Pence Keys	1	1	1.10
101-6	Rivet for Carriage Stop Bridge	1	1	1.10
101-7	Spring Stud for 410-9	1	1	1.10
101-8	Restoring Spring for 49, 10, 11 Pence	1	1	1.10
101-9	Keys	1	1	1.10
101-10	Felt Pad for 49, 10, 11 Pence Keys	1	1	1.10
101-11	Box on L. H. Selecting Arm for 411	1	1	1.10
101-12	Box on R. H. Selecting Arm for 411	1	1	1.10
101-13	Pence Keyframe	1	1	1.10
101-14	Box on R. H. Selecting Arm for 411	1	1	1.10
101-15	Box on R. H. Selecting Arm for 411	1	1	1.10
101-16	Box on R. H. Selecting Arm for 411	1	1	1.10
101-17	Box on R. H. Selecting Arm for 411	1	1	1.10
101-18	Box on R. H. Selecting Arm for 411	1	1	1.10
101-19	Box on R. H. Selecting Arm for 411	1	1	1.10
101-20	Box on R. H. Selecting Arm for 411	1	1	1.10
101-21	Box on R. H. Selecting Arm for 411	1	1	1.10
101-22	Box on R. H. Selecting Arm for 411	1	1	1.10
101-23	Box on R. H. Selecting Arm for 411	1	1	1.10
101-24	Box on R. H. Selecting Arm for 411	1	1	1.10
101-25	Box on R. H. Selecting Arm for 411	1	1	1.10
101-26	Box on R. H. Selecting Arm for 411	1	1	1.10
101-27	Box on R. H. Selecting Arm for 411	1	1	1.10
101-28	Box on R. H. Selecting Arm for 411	1	1	1.10
101-29	Box on R. H. Selecting Arm for 411	1	1	1.10
101-30	Box on R. H. Selecting Arm for 411	1	1	1.10
101-31	Box on R. H. Selecting Arm for 411	1	1	1.10
101-32	Box on R. H. Selecting Arm for 411	1	1	1.10
101-33	Box on R. H. Selecting Arm for 411	1	1	1.10
101-34	Box on R. H. Selecting Arm for 411	1	1	1.10
101-35	Box on R. H. Selecting Arm for 411	1	1	1.10
101-36	Box on R. H. Selecting Arm for 411	1	1	1.10
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101-39	Box on R. H. Selecting Arm for 411	1	1	1.10
101-40	Box on R. H. Selecting Arm for 411	1	1	1.10
101-41	Box on R. H. Selecting Arm for 411	1	1	1.10
101-42	Box on R. H. Selecting Arm for 411	1	1	1.10
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101-44	Box on R. H. Selecting Arm for 411	1	1	1.10
101-45	Box on R. H. Selecting Arm for 411	1	1	1.10
101-46	Box on R. H. Selecting Arm for 411	1	1	1.10
101-47	Box on R. H. Selecting Arm for 411	1	1	1.10
101-48	Box on R. H. Selecting Arm for 411	1	1	1.10
101-49	Box on R. H. Selecting Arm for 411	1	1	1.10
101-50	Box on R. H. Selecting Arm for 411	1	1	1.10
101-51	Box on R. H. Selecting Arm for 411	1	1	1.10
101-52	Box on R. H. Selecting Arm for 411	1	1	1.10
101-53	Box on R. H. Selecting Arm for 411	1	1	1.10
101-54	Box on R. H. Selecting Arm for 411	1	1	1.10
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101-57	Box on R. H. Selecting Arm for 411	1	1	1.10
101-58	Box on R. H. Selecting Arm for 411	1	1	1.10
101-59	Box on R. H. Selecting Arm for 411	1	1	1.10
101-60	Box on R. H. Selecting Arm for 411	1	1	1.10
101-61	Box on R. H. Selecting Arm for 411	1	1	1.10
101-62	Box on R. H. Selecting Arm for 411	1	1	1.10
101-63	Box on R. H. Selecting Arm for 411	1	1	1.10
101-64	Box on R. H. Selecting Arm for 411	1	1	1.10
101-65	Box on R. H. Selecting Arm for 411	1	1	1.10
101-66	Box on R. H. Selecting Arm for 411	1	1	1.10
101-67	Box on R. H. Selecting Arm for 411	1	1	1.10
101-68	Box on R. H. Selecting Arm for 411	1	1	1.10
101-69	Box on R. H. Selecting Arm for 411	1	1	1.10
101-70	Box on R. H. Selecting Arm for 411	1	1	1.10
101-71	Box on R. H. Selecting Arm for 411	1	1	1.10
101-72	Box on R. H. Selecting Arm for 411	1	1	1.10
101-73	Box on R. H. Selecting Arm for 411	1	1	1.10
101-74	Box on R. H. Selecting Arm for 411	1	1	1.10
101-75	Box on R. H. Selecting Arm for 411	1	1	1.10
101-76	Box on R. H. Selecting Arm for 411	1	1	1.10
101-77	Box on R. H. Selecting Arm for 411	1	1	1.10
101-78	Box on R. H. Selecting Arm for 411	1	1	1.10
101-79	Box on R. H. Selecting Arm for 411	1	1	1.10
101-80	Box on R. H. Selecting Arm for 411	1	1	1.10
101-81	Box on R. H. Selecting Arm for 411	1	1	1.10
101-82	Box on R. H. Selecting Arm for 411	1	1	1.10
101-83	Box on R. H. Selecting Arm for 411	1	1	1.10
101-84	Box on R. H. Selecting Arm for 411	1	1	1.10
101-85	Box on R. H. Selecting Arm for 411	1	1	1.10
101-86	Box on R. H. Selecting Arm for 411	1	1	1.10
101-87	Box on R. H. Selecting Arm for 411	1	1	1.10
101-88	Box on R. H. Selecting Arm for 411	1	1	1.10
101-89	Box on R. H. Selecting Arm for 411	1	1	1.10
101-90	Box on R. H. Selecting Arm for 411	1	1	1.10
101-91	Box on R. H. Selecting Arm for 411	1	1	1.10
101-92	Box on R. H. Selecting Arm for 411	1	1	1.10
101-93	Box on R. H. Selecting Arm for 411	1	1	1.10
101-94	Box on R. H. Selecting Arm for 411	1	1	1.10
101-95	Box on R. H. Selecting Arm for 411	1	1	1.10
101-96	Box on R. H. Selecting Arm for 411	1	1	1.10
101-97	Box on R. H. Selecting Arm for 411	1	1	1.10
101-98	Box on R. H. Selecting Arm for 411	1	1	1.10
101-99	Box on R. H. Selecting Arm for 411	1	1	1.10
101-100	Box on R. H. Selecting Arm for 411	1	1	1.10